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A32436 PCT-USA-A - 072448.0309  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jacobs et al.

Serial No.: 09/887,295

Examiner: To Be Assigned

Filed: June 22, 2001

Group Art Unit: To Be Assigned

For: **VIRAL VECTORS HAVING ENHANCED  
EFFECTIVENESS WITH REDUCED VIRULENCE**

## **INFORMATION DISCLOSURE STATEMENT**

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
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August 1, 2001  
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Janet M. MacLeod  
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35,263  
Registration No.

*Jane M. McLeod*  
Signature

August 1, 2001  
Date of Signature

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants, by their attorneys, hereby bring the following documents to the attention of the Examiner in connection with the examination of the above-captioned patent application:

1. U.S. Patent Application No. 09/837,998 to Jacobs et al., filed April 19, 2001.

2. U.S. Patent Application No. 09/837,997 to Jacobs et al., filed April 19, 2001.

3. Beattie et al., "Reversal of the Interferon-Sensitive Phenotype of a Vaccinia Virus Lacking E3L by Expression of the Reovirus S4 Gene", Journal of Virology, Vol. 69, No.1, January 1995, pp.499-505.

4. Brandt et al., "Both Carboxy- and Amino-Terminal Domains of the Vaccinia Virus Interferon Resistance Gene, E3L, Are Required for Pathogenesis in a Mouse Model", Journal of Virology, Vol. 75, No.1, January 2001, pp.850-856.

5. Chang et al., "Identification of a Conserved Motif That Is Necessary for Binding of the Vaccinia Virus E3L Gene Products to Double-Stranded RNA", Virology, Vol. 194, 1993, pp.537-547.

6. Kibler et al., "Double-Stranded RNA Is a Trigger for Apoptosis in Vaccinia Virus-Infected Cells", Journal of Virology, Vol. 71., No. 3, March 1997, pp.1992-2003.

7. Shors et al., "Complementation of Vaccinia Virus Deleted of the E3L Gene by Mutants of E3L", Virology, Vol. 239, 1997, pp.269-276.

8. U.S. Patent 6,004,777, to Tartaglia et al., issued on December 21, 1999.

Any fees necessitated by this communication may be charged to Deposit  
Account No. 02-4377. Two copies of this paper are enclosed.

Respectfully submitted,



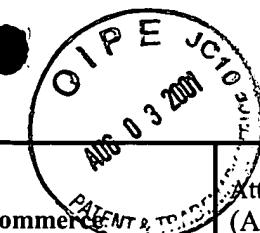
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Atty. Docket No.  
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**U.S. PATENT DOCUMENTS**

*Exam. Init.			Document No.							Date	Name	Class	Subclass	Filing Date if Approved
			6	0	0	4	7	7	7	12/21/99	Tartaglia et al.	435	69.1	

**FOREIGN PATENT DOCUMENTS**

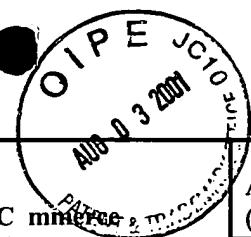
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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)**

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